

--ABSTRACT OF THE DISCLOSURE

According to the invention, in order to suppress a latch-up, the supply voltage is switched off following the detection of a latch-up, charge located in the circuit is reduced with the aid of a short-circuiting switch, and the detection of a low voltage is temporarily canceled when the supply voltage is gradually increased again. A protective circuit is assigned to an electronic circuit in order to protect the radiation-sensitive components thereof, the electronic circuit being subdivided into groups of active circuit components accepting a similar amount of current in a predefined area and a protective circuit being assigned to at least one of the groups of active circuit components accepting approximately the same amount of current in a predefined area. In order to prevent the output current from influencing the output voltage, a current-detecting unit is mounted upstream of a voltage-regulating unit.--